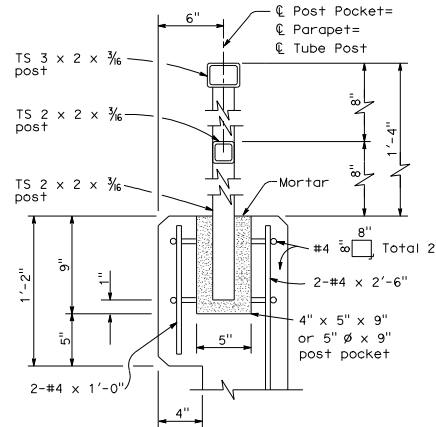
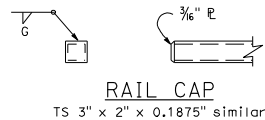
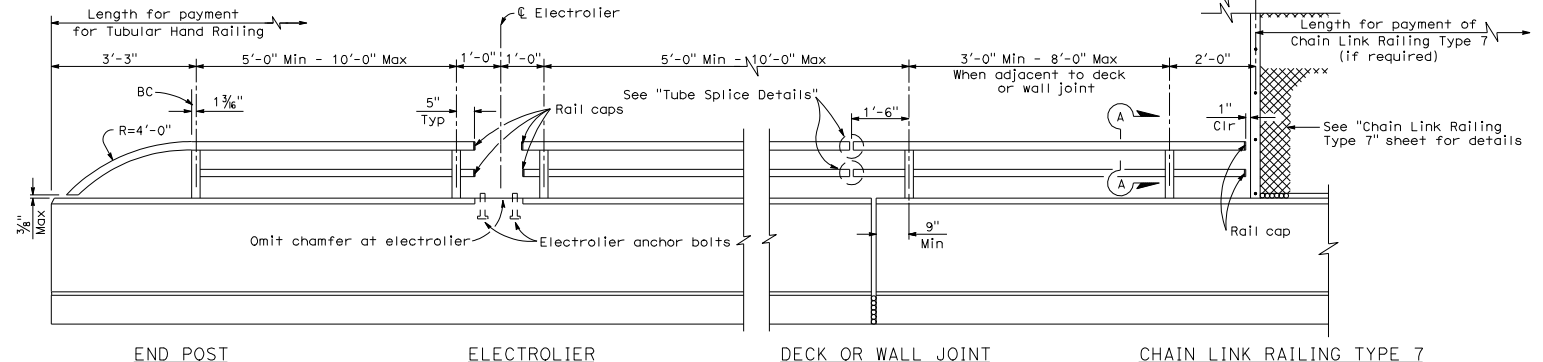


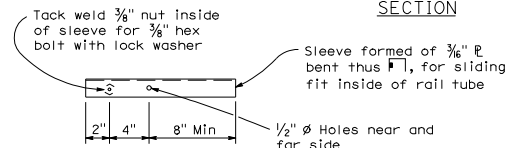
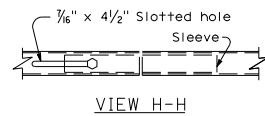
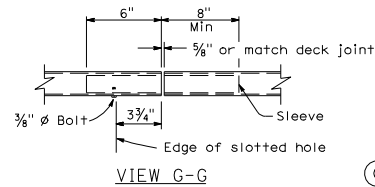
TYPICAL SECTION



POST ANCHORAGE DETAILS



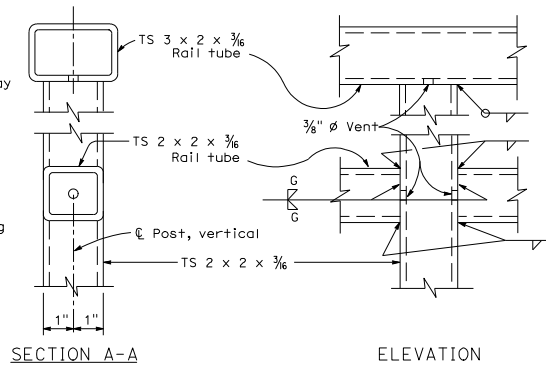
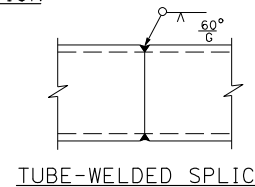
ELEVATION



SLEEVE TUBE SPLICE DETAILS

NOTES:

3/16" Nut tack welded to sleeve may be replaced by drilled and tapped hole in sleeve.



RAIL CONNECTION DETAILS

ELEVATION

NOTES:

- Galvanize rail assembly after fabrication.
- Post shall be normal to railing.
- Rail tubes shall be shop bent or fabricated to fit horizontal curve when radius is less than 950'.
- Tube splices shall be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length correspondingly.
- Top rail tube shall be continuous over not less than two posts except a short post spacing is permitted near deck or wall joints, electroliners, or other rail discontinuities as noted.
- For details and reinforcement not shown see Standard Plan B11-54.
- See project plans for limits of tubular hand railing.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TUBULAR HAND RAILING

NO SCALE

B11-51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2006

PLANS APPROVAL DATE

No. C42892

Exp. 03-31-08

CIVIL

STATE OF CALIFORNIA

To get to the Caltrans web site, go to <http://www.dot.ca.gov>